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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany	REPORT	
SUBJECT	Elektrochemisches Kombinat Bitterfeld Production, First Quarter, 1954	DATE DISTR.	12 July 1954
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This is UNEVALUATED

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

25X1

Product	Production 1 January - 31 March 1954 (metric tons)	Distributed	
		(metric tons)	25X1
<u>Metals</u>			
Ferrochromium	80	79	
Ferrotungsten	51	50	
Ferrovanadium	7	7	
Ferrotitanium	33	31	
Ferrophosphorus	45	45	
Calcium aluminum	18	18	
Aluminum alloys (from scrap)	2,024	1,553	
Foundry aluminum (primary)	6,001 ¹	2,443	
Foundry aluminum (purest)	73	73	
Silicon and hydraluminum alloys	796	500	
Magnesium alloys (from scrap)	135	53	
Manganese	6	2	
Molybdenum	3	3	
Tungsten	2	2	
Cerium flints	2	2	

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC	ORR	E	x	
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(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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- 2 -

<u>Product</u>	<u>Production</u>	<u>Distributed</u>
White metal I	24	24
White metal II	103	103
High quality alloys for electrodes, etc.	29	29
Hennsler's alloy (magnet alloy)	38	38
Cast (electric) steel	207	207
Forgings in nonferrous metals	17	12
Castings in special alloys on aluminum bases	5,404	2,646
of which the following:		
- molds from aluminum alloys	2,826	
- trace-press products from aluminum alloys	2,175	
- die-castings in aluminum alloys	18	
- castings in aluminum alloys	326	
Cast iron household products	127	127
Arndt's alloy	0.024	0.024
Magnesium-nickel alloy 15/85	0.787	0.787
Chromium	0.770	0.770
Nickel powder	1.4	1.4
Magnesium powder	2.3	2.3
Aluminum powder	126	14
Aluminum oxide	0.200	0.200
Cobalt metal powder	1	1
<u>Electrodes</u>		
Graphite electrodes (for chemical industry)	740	304
Graphite electrodes (for steel industry)	2,680	2,680
Magnetite electrodes	172	-
Electrodes of light metals	0.600	0.600
<u>Inorganic chemicals</u>		
Sulphur	672	655
Sulphuric acid (regenerated)	348	369

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- 3 -

<u>Product</u>	<u>Production</u>	<u>Distributed</u>
Potash (pot. carb.)	2,700	2,672
Caustic soda lye ²	11,915	12,987
Caustic soda (solid)	2,635	1,930
Caustic potash lye ³	6,195	669
Caustic potash (solid)	1,930	1,944
Fluid chlorine	5,450	3,792
Gaseous chlorine	18,919	-
Hydrochloric acid	9,388	6,005
Nitric acid	26,329	-
Potassium permanganate	627	605
Calcium ammonium nitrate	10,366 ⁴	10,366
Cobalt oxalate	0.075	0.005
Chrome oxide	50	51
Phosphorus, yellow (crude)	512	-
Phosphorus, yellow (pure)	509	332
Phosphorus, red	32	32
Phosphorus trichloride (pure)	58	52
Phosphorus trichloride (crude)	635	-
Phosphorus powder (Cottrell powder)	65	131
Phosphorus by-products (Agglomerat)	4,059	-
Titanium dioxide	374	362
Potassium bichromate	1,238	864
Sodium bleaching lye	2,277	2,223
Chloride of lime	850	850
Potassium chlorate	2,039	2,137
Sodium chlorate	2,487	2,487
Ammonium nitrate	3,415	1,195
Sodium nitrite (nitrite lye)	547	543
Calcium chloride lye	1,150	939
Barium chloride	276	246
Chromic acid	69	69
Tungstic acid (pure)	7	6
Tungstic acid (extra pure)	5	5

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- 4 -

<u>Product</u>	<u>Production</u>	<u>Distributed</u>
Potassium sulphate	35	-
Sulphur chloride	2	2
Calcium chloride (cryst.)	151	124
Ferric chloride (anh.)	150	150
Manganese carbonate	22	22
Iron formate	4	4
Weldon mud	11	13
Manganite	45	48
Manganese chloride	-	3
Manganese hydroxide	-	-
Molybdic acid (anh.)	0.400	0.400
Boron carbide	0.025	0.025
Cobalt sulphate	1	1
Phosocresol	22	22
Phosphorus oxychloride	631	2
Phosphorus pentachloride	5	5
Barium carbonate	395	56
<u>Organic chemicals</u>		
Oxalic acid	497	478
Methylene chloride	33	26
Carbon tetrachloride	1,661	1,661
Tricresyl phosphate	1,000	611
Triphenyl phosphate	14	11
Calcium formate	577	70
Formic acid (100%)	370	335
Kofa salt	62	62
Chlorobenzene	1,099	202
o- tricresyl phosphate	6	6
o- dichlorobenzene	46	54
p- dichlorobenzene	83	83
Benzyl chloride	46	44
Benzylidene chloride	22	22

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- 5 -

<u>Product</u>	<u>Production</u>	<u>Distributed</u>
Benzoyl chloride	2	2
Benzoic trichloride	183	-
Benzoic acid	78	78
Chloral hydrate	5	4
Chloral (pure)	6095	104
Chloroform	13	13
Benzene hexachloride (crude)	70	70
<u>Plastics</u> ⁶		
Igelit PCU	1,130	12
Igelit PC	322	271
Vinidur	732	322
<u>Tanning agents</u>		
Basochrom	215	215
Chrome alum	51	51
<u>Pest powders</u>		
DDT (Gesarol)	1,020	1,014
Hexitol	1	1
Duplexan, Hexitan, Silvexan	194	194
Aerosol	11	11
Duplinon	13	13
Duplexol	6	6
Silvexol	1	1
Ring- Detexol	1	1
Wegerein	164	164
Anforstan	125	125
Hormit	60	55
Hormin	158	158
Etingal	0.551	0.551
"H.C.C."	6	1
<u>Edible preparations</u>		
Albumin powder	192	180
Soup flavoring	188	163

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- 6 -

<u>Product</u>	<u>Production</u>	<u>Distributed</u>
Soup powders	107	64
Soup cubes	22	22
Sauce cubes	10	5
Sauce powder	4	4
<u>Miscellaneous</u>		
Synthetic precious stones	0.986	0.986
Silirom and Trosilin	2,232	2,203
Elrasal	85	72
Special iron powder ⁷	9	9
Welding powder	1.050	0.75
Acid putty	308	308
Enamel for jewellery	0.791	0.791
Tisil	46	46
Alkaline filling material	19	19
Colloidal graphite	2	2
Thawing agents	63	63
Graphite powder	57	52
Pentol	199	199
Brown coal tar	520	508
Quicklime	1,210	5

Other products (in appropriate units)

<u>Product</u>	<u>Unit</u>	<u>Production</u>	<u>Outside Distribution</u>
Hydrogen	000 m ³	(5,044 (3,099	-
Hydrogen (comp.)	"	183	183
Oxygen (comp.)	"	357	113
Nitrogen (comp.)	"	53	53
Compressed air	"	7	7
Lighter fluid	000 bots.	108	108
Igurit coolers up to 10m ²	Pieces	33	33
Igurit coolers 10m ² - 20m ²	"	18	18
Igurit coolers over 20m ²	"	5	5

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- 7 -

Comments:

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1. This figure represents the total production of primary aluminum; the silicon, hydronium, and other alloys derived from it and entered in this list as separate items should not be regarded as supplementary production.
2. NaOH content
3. KaOH content
4. Nitrogen content
5. Production of chloral has been greatly increased in order to step up the production of pest powders.
6. The details of plastic production have been omitted.
7. This is a substitute for carbonyl iron powder; it is still on trial.

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